

FAST: Fueling Center & EVSE Reporting Process Changes

INTERFUEL – July 8, 2020

Ron Stewart

FAST Support Team

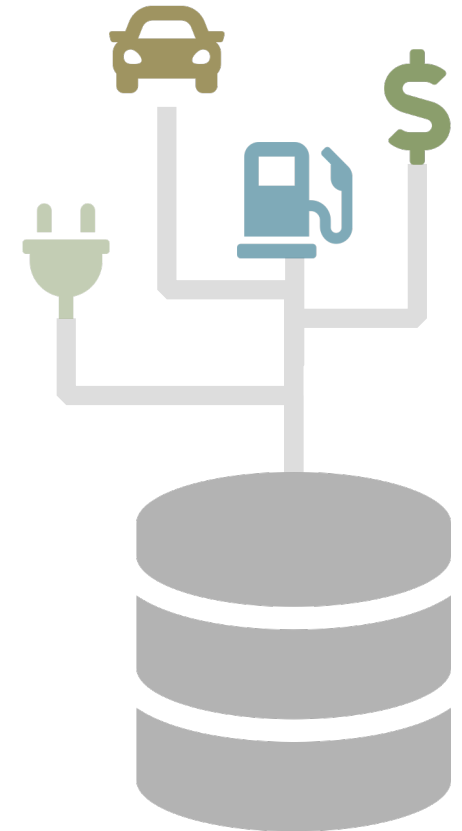
Idaho National Laboratory



INL/MIS-20-58916:000

FAST and Fleet Data Collection

- **Vehicles and operational data**
 - Vehicle attributes, costs, miles, fuel consumption
- **Fleet planning data**
 - Future-year plans for acquisitions and disposal
 - Budget projections
 - Results of vehicle allocation methodology (VAM) studies
- **EPAct 2005 Section 701 Waiver Requests**
 - *Now part of primary data call October-December*
- **Fleet fueling center information**
- **Electric vehicle supply equipment (EVSE) inventory**



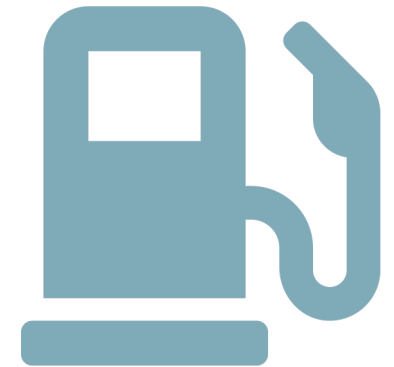
Underlying Requirements for Infrastructure-related Information

- **Energy Independence and Security Act (EISA) of 2007, Section 246**
 - Requires federal fueling centers distributing > 100K gal of petroleum fuel annually to also have renewable fuel infrastructure
- **Fixing America's Surface Transportation (FAST) Act of 2015**
 - Authorizes agencies to install EV charging stations for POVs
 - Requires agencies to collect fees to recover costs of this EVSE
 - CEQ guidance direct agency CSOs to work with fleet managers to report on implementation of workplace charging
 - GSA's Public Buildings Service annual report to Congress due December 4
- **Energy Policy Act (EPAct) of 2005, Section 701**
 - Alt fuel vehicles (AFVs) must consume alt fuels
 - Agencies may request waivers for AFVs without access to fuel
 - Waiver review process relies on knowing where federal fueling infrastructure is located (in addition to other infrastructure)



Previous Reporting Processes

- **Information about fueling centers:**
 - Single agency-level FAST submission each year
 - Due June 30
 - Covers agency-defined 12-month period
 - Each station described by
 - Name and location
 - Current status (open / closed)
 - Types and volumes of fuel
 - Access information: who can use center?
 - EISA Sec. 246 compliance attributes
 - Submitted via data entry form or MS Excel worksheet



Previous Reporting Processes

- **Information about electric vehicle supply equipment (EVSE):**
 - Single agency-level FAST submission each year
 - Due December 15
 - EVSE inventory for previous fiscal year
 - EVSE described by
 - Name and location
 - New or existing?
 - # and type of EVSE
 - Designation of use (employee, fleet, public)
 - Costs (installation, hardware, usage fees)
 - Submitted via MS Excel worksheet



New Approach to Reporting

- **Single combined submission due Nov. 15 (*tentative*)**
- **Fueling centers**
 - Name and location
 - Status (new, existing, closed)
 - Types of fuel distributed
 - Indication of > 100K gal of petroleum
 - *No longer collecting fuel volumes!*
 - Other EISA 246 compliance attributes
- **EVSE inventory**
 - Name and location
 - Status (new, existing, closed)
 - # and type of EVSE at location
 - Costs and usage fees
 - Access



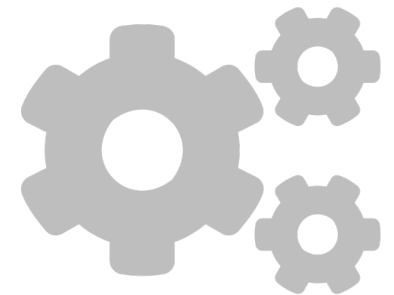
New Approach to Reporting

- **Submitted as MS Excel worksheet**
 - Separate sheets with instructions, data collection sheets, examples
- **DOE will assign unique “station ID”**
 - Assigned to each fueling center and EVSE location
 - Station ID + status will simplify year-to-year reporting
- **Submission each year will serve as starting point for following year’s submission**



New Approach to Reporting: Process and Timeline

- **NLT August 15, 2020: New Excel template released**
 - Separate sheets with instructions, data collection sheets, examples
 - Agencies can begin assembling data for fall submission
 - Agencies can request (mostly) compatible versions of most recent fuel center and EVSE submissions as starting point from FAST team
- **November 15, 2020: FY 2020 submission due**
 - Describes all agency fueling centers and EVSE as of end of FY 2020
- **After submission**
 - DOE assigns station IDs
 - DOE uses information as part of revamped EPC Act 701 waiver review process
- **August 1, 2021: Agency can retrieve FY 2021 Excel template**
 - Will be based on FY 2020 submission + DOE-assigned IDs



Summary

- **Combined fueling center + EVSE submission due November 15**
 - Same timeframe as previous EVSE submission
 - Retires past June submission (fueling center data, 701 waivers)
 - Simplifies fueling center data
 - No more fuel volumes!
 - Simplifies and improves year-to-year reporting
 - Collects all fueling infrastructure data
 - ... in more consistent manner
 - ... covering same time period
 - ... at the same time



While We Have Your Attention...

- **Conversations with several organizations during Spring 2020**
 - Ideas to ease / simplify / improve VLD reporting
- **Changes coming over the next few months**
 - Update and combine VLD reference documents into unified reference
 - Tune flagging rules
 - Identify plug-in hybrid vehicles without electricity consumption
 - Reduce some of the flagging noise
 - Example: Only flag year-to-year changes in vehicle attributes if they are significant
 - Tune the post-submission review metrics
 - Example: Better identification of unexpected changes in costs



While We Have Your Attention...

- **Changes coming over the next few months**
 - Improvements / updates to FAST reports
 - Provide some of the post-submission review metrics
 - Improve usability / make them easier to understand
 - Ability to export submitted vehicle-level data
 - Other improvements
 - Continuing focus on responsiveness / speed
 - Ability to retrieve larger results from FAST's query tool
- **New FAST support email address**
 - FASTsupport@inl.gov



FAST Program Points of Contact

- **DOE Federal Energy Management Program (FEMP)**

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